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Complete if Known Substitute for form 1449/PTO Application Number 10/599,250 09/22/2006 Filing Date INFORMATION DISCLOSURE First Named Inventor A. Alivisatos STATEMENT BY APPLICANT Art Unit (Use as many sheets as necessary) **Examiner Name** Attorney Docket Number IB-2018 Sheet

			U. S. PATEN	DOCUMENTS	
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ^{2 (f known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
/H.L./		^{US-} 2002/0012624	01/31/2002	Figueroa et al.	
/H.L./		^{US-} 2002/0002794	01/10/2002	Figueroa et al.	
/H.L./		^{US-} 6,833,192	12/21/2004	Caruso et al.	
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	FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No.1		Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages			
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Examiner Signature	/Hoa Le/	Date Considered	09/13/2008

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INF	ORMATION	DIS	CLOSURE	Filing Date	09/22/2006	
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Sheet	1	of	2	Attorney Docket Number	IB-2018	

			NON PATENT LITERATURE DOCUMENTS					
		Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.					
/H	/H.L./		ALDINGER, "Controlled Porosity by an Extreme Kirkendall Effect", Acta Metallurgica, Vol. 22, p. 923-928, (July 1974)					
			BARRETT ET AL., "The Determination of Pore Volume and Area Distributions in Porous Substances", Journal of the American Chemical Society, Vol. 73, p. 373-380, (January 1951)					
			BRUNAUER ET AL., "Adsorption of Gases in Multimolecular Layers", Journal of the American Chemical Society, Vol. 60, p. 309-319, (February 1938)	·				
	0,0000000000000000000000000000000000000		CARUSO ET AL., "Nanoengineering of Inorganic and Hybrid Hollow Spheres by Colloidal Templating", Science, Vol. 282, p. 1111-1114, (November 6, 1998)					
			CORTRIGHT ET AL., "Kinetic Study of Ethylene Hydrogenation", Journal of Catalysis, Vol. 127, p. 342-353, (1991)					
			GRUNES ET AL., "Ethylene Hydrogenation over Platinum Nanoparticle Array Model Catalysts Fabricated by ", Journal of Physical Chemistry, Vol. 106, p. 11463-11468, (2002)					
			LIANG ET AL., "Pt Hollow Nanospheres: Facile Synthesis and Enhanced Electrocatalysts", Angewandte Chemie International Edition, Vol. 43, p. 1540-1543, (2004)					
			DIETZ, "Response Factors for Gas Chromatographic Analyses", Journal of Gas Chromatography, Vol. 5, p. 68-71, (1967)					
			MATYI ET AL., "Particle Size, Particle Size Distribution, and Related Measurments of Supported ", Catalysis Reviews: Science and Engineering, Vol. 29, p. 41-99, (1987)					
/H	.L./		MROWEC ET AL., "Sulphidation of Cobalt at High Temperatures", Journal of Materials Sciences, Vol. 33, p. 2617-2628, (1998)					

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INF	ORMATION	DIS	CLOSURE	Filing Date	09/22/2006	
STA	TEMENT B	YA	PPLICANT	First Named Inventor	A. Alivisatos	
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		NON PATENT LITERATURE DOCUMENTS			
Examiner Cite No.1		Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			
/H.L./		PUNTES ET AL., "Synthesis of hcp-Co Nanodisks", Journal of the American Chemical Society, Vol. 124 (No. 43), p. 12874-12880, (2002)			
		RONDEAU, "Slush Baths", Journal of Chemical and Engineering Data, Vol. 11, p. 124, (1966)			
		SCHLATTER ET AL., "Hydrogenation of Ethylene on Supported Platinum", Journal of Catalysis, Vol. 24, p. 482-492, (1972)			
		SOBAL ET AL., "Synthesis of Core-Shell PtCo Nanocrystals", Journal of Physical Chemistry B, Vol. 107, p. 7351-7354, (2003)			
		SONG ET AL., "Pt Nanocrystals: Shape Control and Langmuir-Blodgett Monolayer Formation", Journal of Physical Chemistry B, Vol. 109, p. 188-193, (2005)			
		SUN ET AL., "Shape-Controlled Synthesis of Gold and Silver Nanoparticles", Science, Vol. 298, p. 2176-2179, (December 13, 2002)			
		TORIMOTO ET AL., "Preparation of Novel Silica-Cadmium Sulfide Composite Nanoparticles Having ", Journal of the American Chemical Society, Vol. 125, p. 316-317, (2003)			
		YIN ET AL., "Formation of Hollow Nanoparticles Through the Nanoscale Kirkendall Effect", Science, Vol. 204, p. 711-714, (April 30, 2004)			
/H.L./		ZAERA ET AL., "Hydrogenation of Ethylene over Platinum (111) Single-Crystal Surfaces", Journal of the American Chemical Society, Vol. 106, p. 2288-2293, (1984)			

Examiner	/Hoa Le/	Date	09/20/2008
Signature	71100 207	Considered	09/20/2000

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